

ILLEGIB

Approved For Release 2001/03/03 : CIA-RDP78T05439A000400180102-9

Approved For Release 2001/03/03 : CIA-RDP78T05439A000400180102-9

NPIC/R-868/64

October 1964

~~TOP SECRET~~

NO FOREIGN DISSEM

14804
TCS-8401/64

Copy 4

6 Pages

PHOTOGRAPHIC INTERPRETATION REPORT

PROBABLE
SOLID PROPELLANTS TEST FACILITY
TAI-YUAN, CHINA

Declass Review by NIMA/DOD



CIA



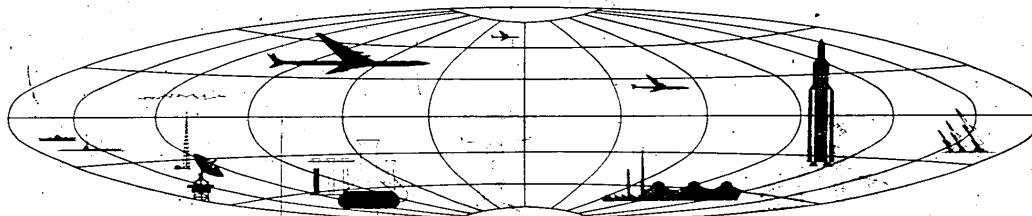
DIA

Handle Via **TALENT - KEYHOLE** Control Only

WARNING

This document contains classified information affecting the national security of the United States within the meaning of the espionage laws: U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive TALENT-KEYHOLE information. Its security must be maintained in accordance with KEYHOLE and TALENT regulations.

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



~~TOP SECRET~~

NO FOREIGN DISSEM

GROUP 1
Excluded from automatic
downgrading and declassification

TOP SECRET RUFF

NO FOREIGN DISSEM

TCS-8401/64
NPIC/R-868/64

25X1A

PROBABLE SOLID PROPELLANTS TEST FACILITY
TAI-YUAN, CHINA

25X1D

A probable solid propellants test facility (37-59N 112-33E) is located adjacent to the northeast corner of the Tai-yuan Explosives Plant [REDACTED] Tai-yuan Missile Propellant Production*), the southernmost plant

of the Explosives and Ammunition Complex on the northern edge of Tai-yuan, China (Figures 1 and 2). The facility, new since [REDACTED] is similar in many respects to five Soviet probable solid propellants test facilities.

DESCRIPTION

The Probable Solid Propellants Test Facility is a walled area served only by roads (Figure 3). It contains a multilevel, irregular-shaped building (Building No 5) identified as a probable test cell and an earth bunker/deflector under construction approximately 350 feet away; a three-level, L-shaped major support building (Building No 3); an unidentified two-level irregular-shaped building (Building No 2); nine unidentified rectangular, probably single-story buildings; one revetted building; and one earth bunker. (Plan and perspective views of Building Nos 2, 3, and 5 are shown in Figure 4.)

The Probable Solid Propellants Test Facility

adjoins the Shell-testing Facility of the explosives plant (Figure 3). The Shell-testing Facility consists principally of two tunnel ranges, two firing emplacements, an open range, and a revetted storage building. It has not changed perceptibly since [REDACTED]

Two revetted structures are located in the adjacent part of the explosives plant (Figure 2). The structures measure [REDACTED] by [REDACTED]. They are connected to the Probable Solid Propellants Test Facility by a good road and are probably associated with that facility. They were constructed within the same time span as that of the probable test facility.

CHRONOLOGY

The probable test facility was not present at the time of [REDACTED] photography revealed the probable test cell and three or four buildings in early stages of construction. [REDACTED] photography showed the facility in late stages of construction with features suggesting a pilot plant possibly associated with

solid propellants. The identification of the facility as a probable solid propellants test facility rather than a pilot plant was made from photography of [REDACTED] 1/. At that time the facility appeared to be still under construction and there were no definite indicators that any testing had taken place.

COMPARISON

Five Soviet probable solid propellants test facilities are located at Biysk, Perm, Sterlitamak, Krasnoyarsk, and Kamensk-Shakhtinskiy, USSR. 2/ They are all located in close proximity

*This BE designation, introduced in May 1964, is not completely substantiated by photography.

to explosives/chemical plants. They consist principally of one or more test cell buildings and associated bunker/deflectors and a large or complex building for support purposes as well as other related structures. At three of the Soviet sites the major support buildings are

25X1D 25X1D
25X1D

- 1 -

TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET RUFF

NO FOREIGN DISSEM

TCS-8401/64
NPIC/R-868/64

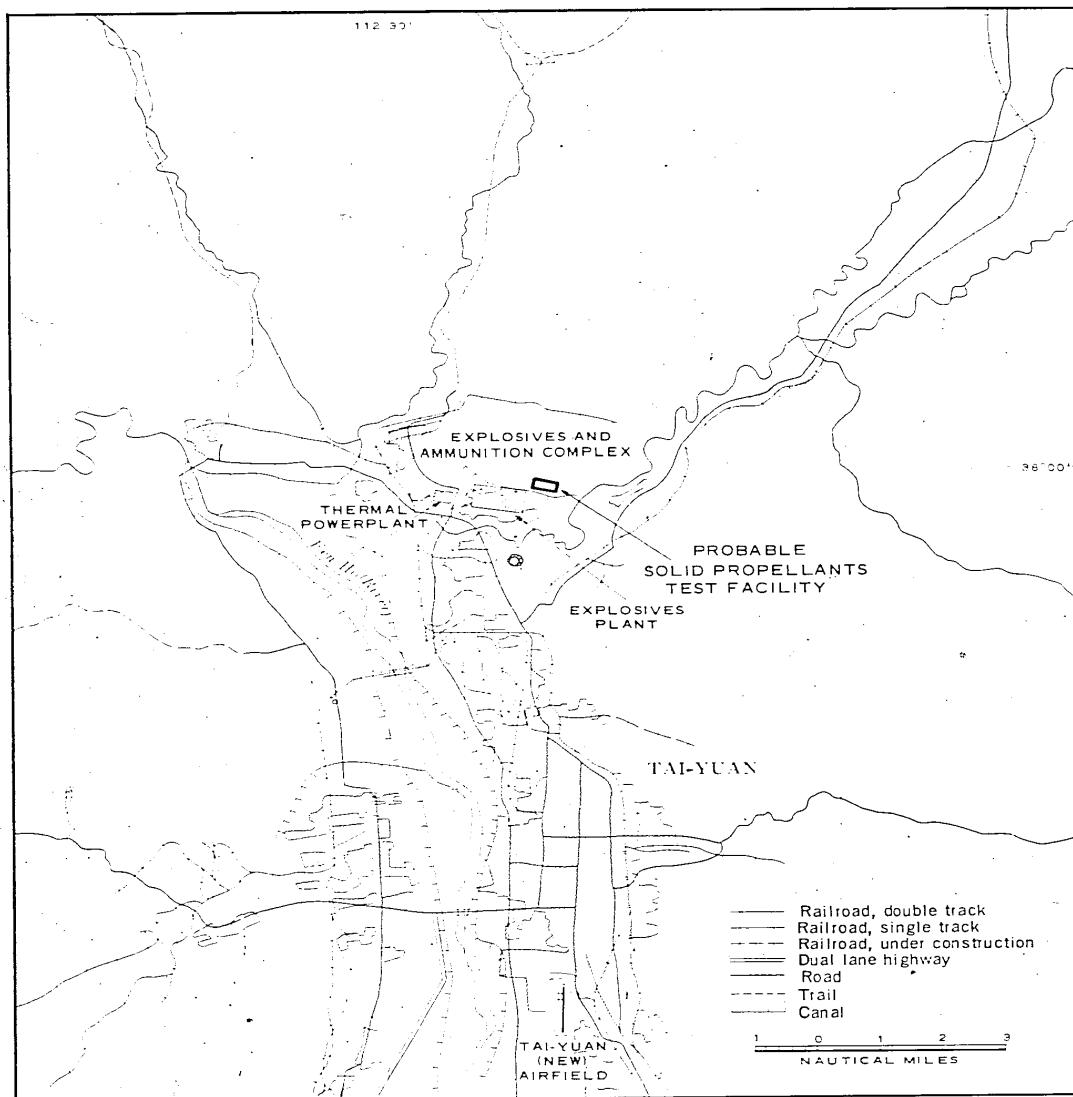


FIGURE 1. LOCATION MAP.

- 2 -

TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only

TCS-8401/64
NPIC/R-868/64



FIGURE 2. PROBABLE SOLID PROPELLANTS TEST FACILITY AND ADJOINING SHELL-TESTING FACILITY, TAI-YUAN, CHINA.

25X1D

- 3 -

TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only

TCS-8401/64
NPIC/R-868/64

25X1D

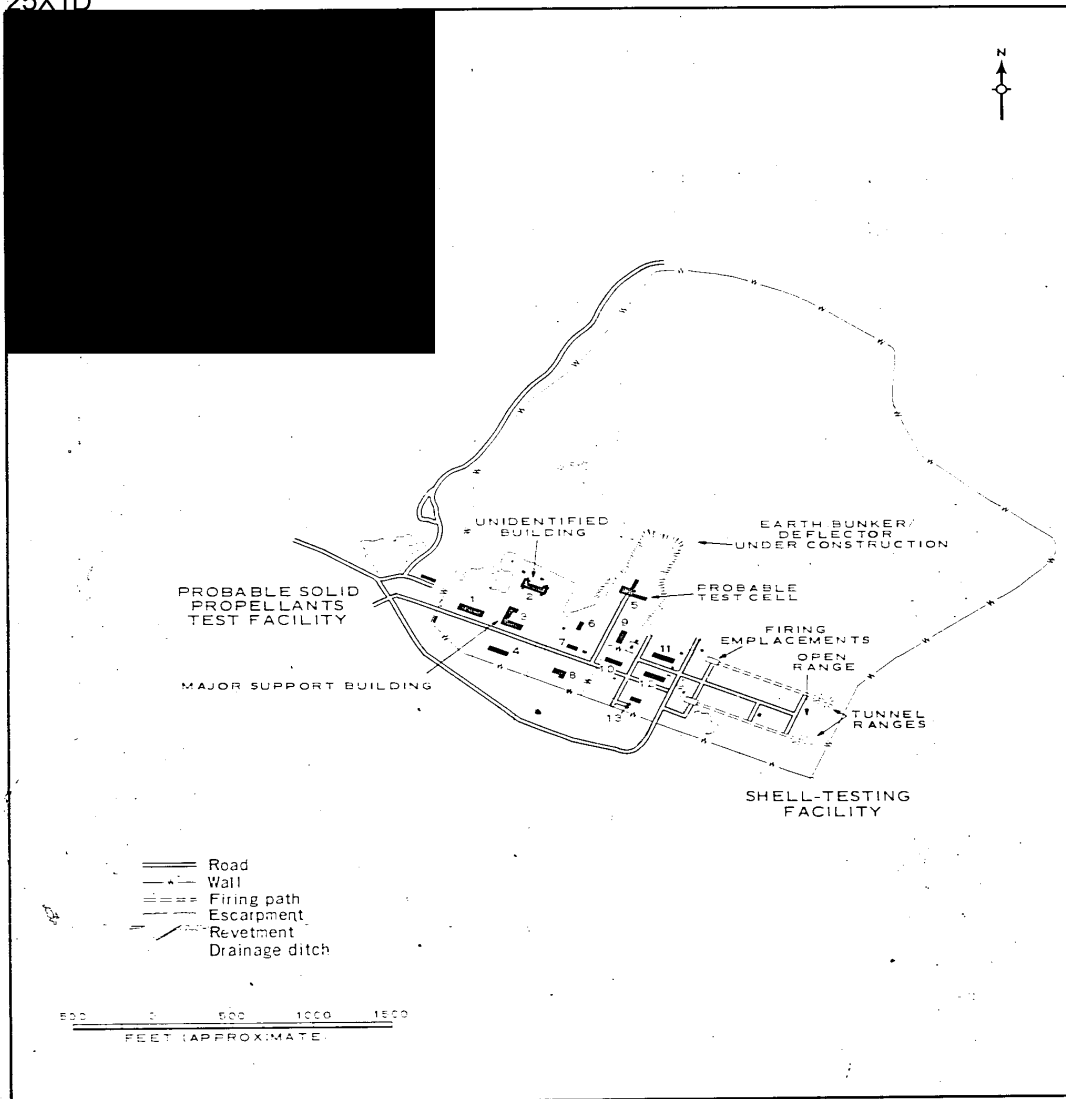


FIGURE 3. LAYOUT OF PROBABLE SOLID PROPELLANTS TEST FACILITY AND ADJOINING SHELL-TESTING FACILITY.

- 4 -

TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only

TCS-8401/64
NPIC/R-868/64

multilevel H-shaped buildings; one site has a multilevel building with four adjoining sections; the other site has a tall, rectangular building which probably serves the same purpose. The probable test facility at Tai-yuan is similar in being located adjacent to an explosives plant

and in containing a probable test cell and associated bunker/deflector and a multilevel building that probably serves as the major support building. However, the probable test cell is much larger and more complex than those observed at the Soviet facilities.

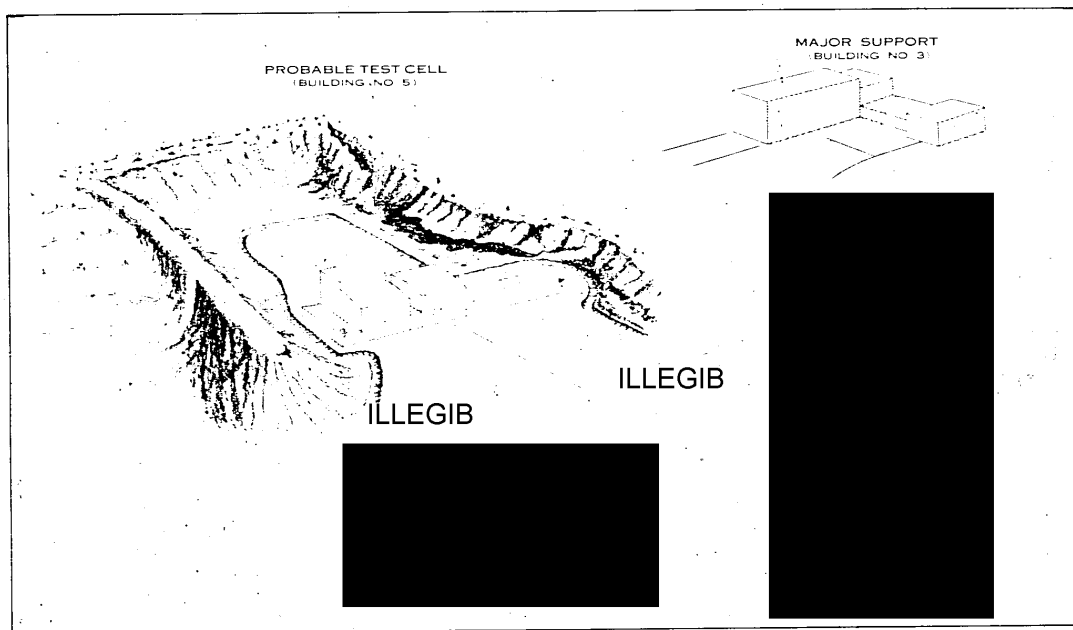


FIGURE 4. PLAN AND PERSPECTIVE VIEWS OF STRUCTURES AT PROBABLE SOLID PROPELLANTS PLANT.

- 5 -

TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET RUFF

NO FOREIGN DISSEM

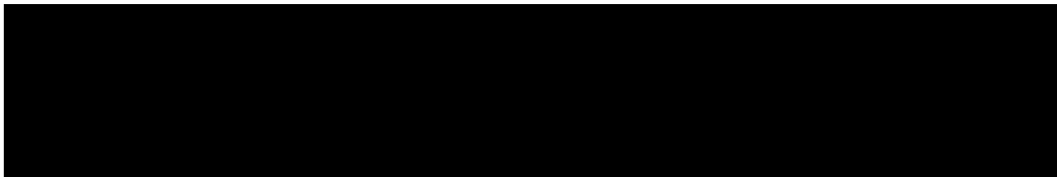
Handle Via
TALENT-KEYHOLE
Control System Only

TCS-8401/64
NPIC/R-868/64

REFERENCES

25X1D

PHOTOGRAPHY



MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0382-13AL, 2d ed, Oct 60 (SECRET)

DOCUMENTS

1. NPIC. R-1923 64, *New Section of Explosives and Ammunition Complex, Tai-yuan, China*, Aug 64 (SECRET)
No Foreign Dissem)
2. NPIC. R-177 63, *Probable Static Test Facility at Blysk, USSR*, Aug 63 (TOP SECRET RUFF)
NPIC. R-231 63, *Probable Static Test Facility, O'Perm, USSR*, Sep 63 (TOP SECRET RUFF)
NPIC. R-232 63, *Probable Static Test Facility, Sterlitamak, USSR*, Sep 63 (TOP SECRET RUFF)
NPIC. R-251 63, *Probable Static Test Facility, Krasnodarsk, USSR*, Oct 63 (TOP SECRET RUFF)
NPIC. R-287 63, *Probable Static Test Facility, Kamenish-Stalinsk, USSR*, Nov 63 (TOP SECRET RUFF)
CIA. PIR-17 63, *Probable Solid Propellants Testing Facilities and Associated Explosives Plants in the USSR*, Dec 63 (TOP SECRET RUFF)

REQUIREMENT

GMAIC. 11-61

NPIC PROJECT

N-822 64

25X1C



TOP SECRET RUFF

NO FOREIGN DISSEM

Handle Via
TALENT-KEYHOLE
Control System Only